

PITTSBURGH PERFECT FENCES



The Pittsburgh Steel Co.
338 ST. JAMES STREET

PITTSBURGH PERFECT FENCE CO. LIMITED
HAMILTON ONT.

PITTSBURGH PERFECT FENCE CO. LIMITED
HAMILTON ONTARIO

THE FENCE QUESTION

Careful study as to the requirements of fence users in the way of a fence

That will **stand** ordinary as well as **hard usage** ;

That **will not sag** in Summer's heat nor break in the cold of Winter ;

That is made of the **best material** for fencing purposes ;

That has **stays** that **will not slip**, nor can they be moved out of place ;

That **will conform to the most uneven ground**, and can be erected over hills and through valleys as well as on level ground ;

That has **no slack wires** to spoil the appearance as well as the efficiency of the fence ;

That does not require an expert to erect ;

That is **low in price** ;

Has resulted in our being able to bring to your notice the perfection of Field and Hog Fencing, which we have appropriately named

THE "PITTSBURGH PERFECT" FENCE

For Field, Farm and Ranch. Made by us exclusively.

The only "ELECTRICALLY WELDED" Steel Wire Fence.

PITTSBURGH PERFECT FENCE COMPANY, LIMITED

HAMILTON. ONTARIO

R8164,807

"PITTSBURGH PERFECT" FENCES

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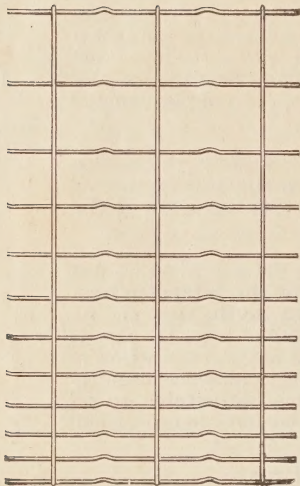
Are made out of a specially tested, heavily galvanized steel wire. The wire is made from steel of our own formula, and years of experience in fence making guarantees to you that it is the best possible material for fencing purposes. All of our fencing has for the top strand **No. 7 Galvanized Steel Wire**, and bottom strand **No. 9 Galvanized Steel Wire**; intermediate bars, **No. 10 Galvanized Steel Wire**; stays or uprights, **No. 10 Galvanized Steel Wire**. ELL
779 PL

More than ample provision for **expansion or contraction** is made in the tension curves, and these curves in connection with our **electrically welded** stay wires insure an indestructible fence not obtainable elsewhere. **We are the sole manufacturers of the "Pittsburgh Perfect" Fence.**

The stays are **electrically welded** to the strands and therefore the stay wires are **not weakened, nor the galvanizing broken by twisting around the lateral wires**, and the **joint is indestructible**. There are **no exposed ends to invite rust** and **no wraps to hold moisture**, and on account of the **electrically welded** stay, the tensile strength of the fence is increased to a very great extent. On account of the construction of our fences we alone have accomplished what has long been the aim of all fence manufacturers, namely, to get a **solid steel fence** that is at the same time **adjustable to all levels and deflections**, and we therefore guarantee that it will conform to uneven and rolling ground.

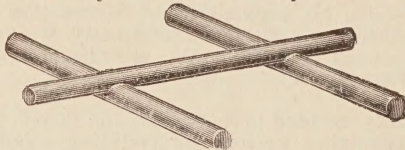
No Wraps to get loose or hold moisture and rust.

"PITTSBURGH PERFECT" FENCES

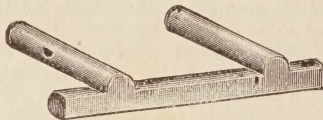


Inasmuch as the "Pittsburgh Perfect" Fence is constructed on entirely different lines from other fences, from looking at the cuts scarcely anyone would understand how we fasten our stay wires to the strand wires.

We endeavor, by means of the cuts on this page, to give you an idea as to how this is done. Please note that where the wires are electrically welded **both stay and strand become one piece of steel** and you get **double strength** at the joints.



The Weld.



Sectional View—Amalgamation Perfect.
No Seam.

No other fence has this advantage and this feature substantiates our claim of having **the very strongest fence** on the market, as you can readily see that no fence can possibly be as strong as ours.

Nothing but Large, Strong, well Galvanized Steel Wires used.

"PITTSBURGH PERFECT" FENCE

POINTS

In all other fences the stays are either wrapped around the strand or clamped on with washers ; therefore the stay is rubbing the strand all of the time and **peeling off the galvanizing**, causing that strand to rust. Nothing of this in the PITTSBURGH PERFECT, as there are no **wraps or clamps**.

It is the Portable Fence, as it can be taken down and moved from one place to the other without the slightest injury to the material, because **the stays stay where we put them**.

See that **Joint, Stay and Strand**—one piece. Electrically welded, the only true amalgamation of metals, and an indestructible joint, **the very best**.

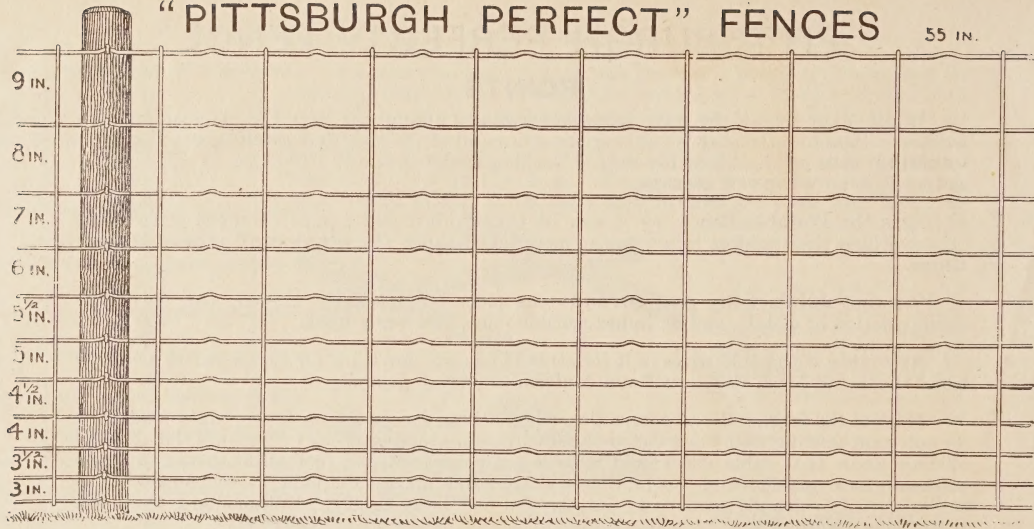
Any fence with cable wires in it for strands has no provision for expansion or contraction. Diamond Mesh Fences will not conform to uneven ground.

Most of the large railroad companies, when asking for prices on fence, state that they do not want fencing that has twisted cable wires for strands. Why? Because the railroad officials know that cable wires hold moisture, thereby causing rust ; that there can be no provision for expansion and contraction in cable wires, and consequently a fence made with cable wires for strands soon rusts out, breaks and is unsightly. Rather hard this, but truth, every word of it.

No small wires in the "Pittsburgh Perfect."

"PITTSBURGH PERFECT" FENCES

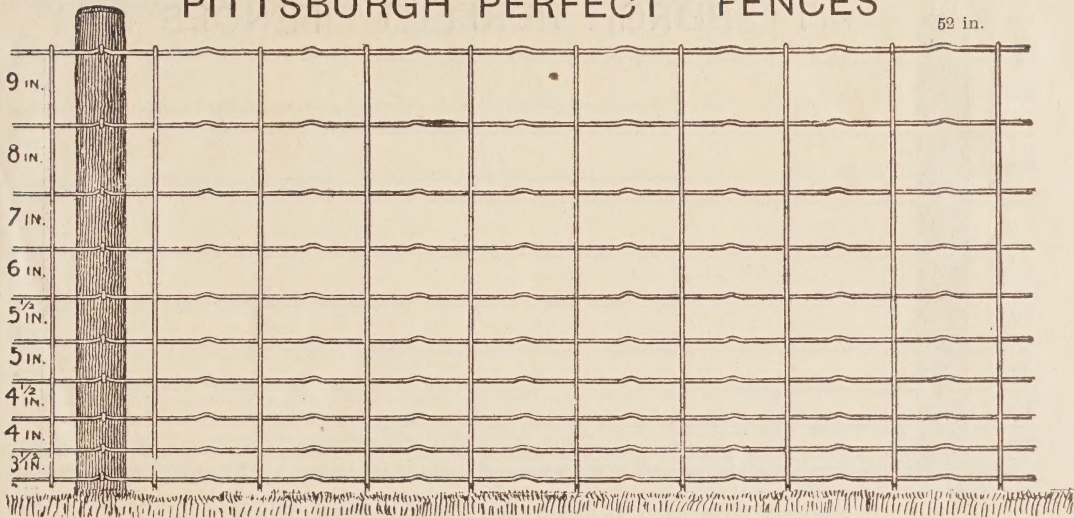
55 IN.



No. 5511. Stays 6 or 12 inches apart ; 55 inches high ; 11 bars.
"Welded together by Electricity. No Wraps to Rust."

"PITTSBURGH PERFECT" FENCES

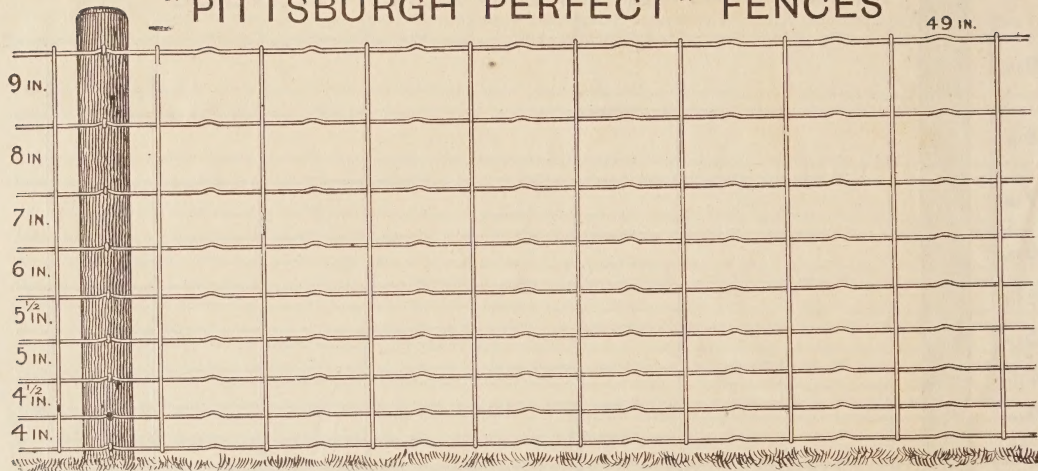
52 in.



No. 5210. Stays 6 or 12 inches apart ; 52 inches high ; 10 bars.

"Stronger at the Joints than any other."

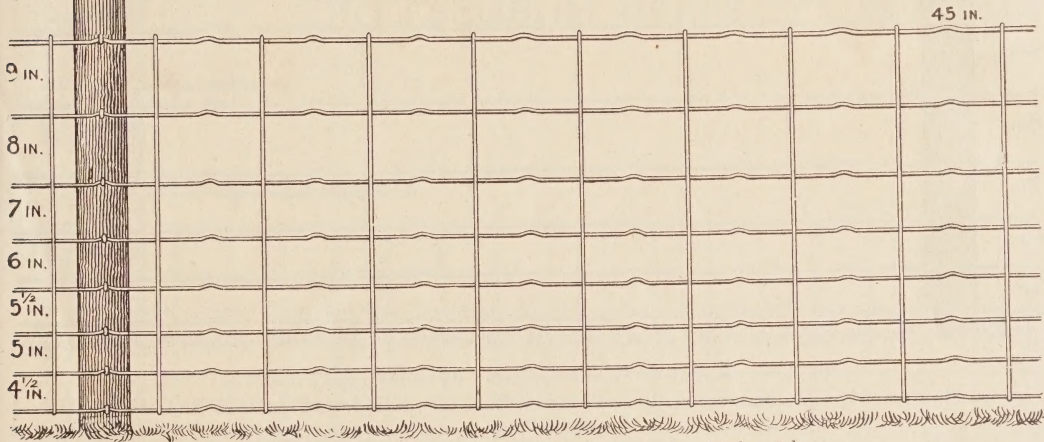
"PITTSBURGH PERFECT" FENCES



No. 499. Stays 6 or 12 inches apart ; 49 inches high ; 9 bars.

"Better Galvanized Wire than in any other. Up hill or down dale. Easily erected."

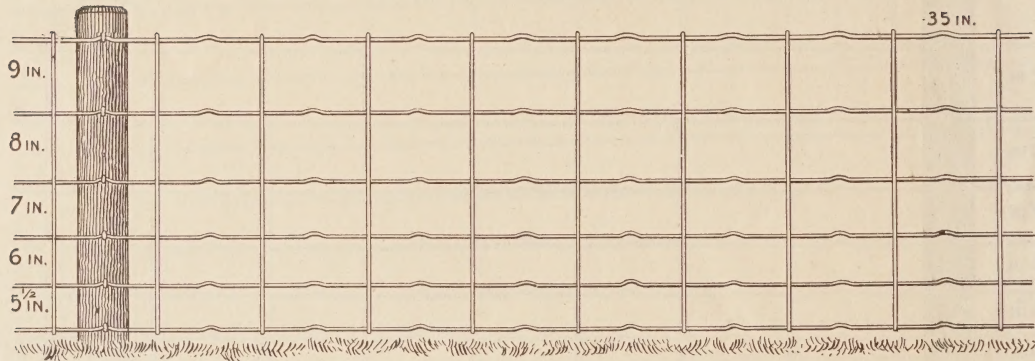
"PITTSBURGH PERFECT" FENCES



No. 458. Stays 6 or 12 inches apart ; 45 inches high ; 8 bars.

" Stays stay in place. Will last a lifetime."

"PITTSBURGH PERFECT" FENCES

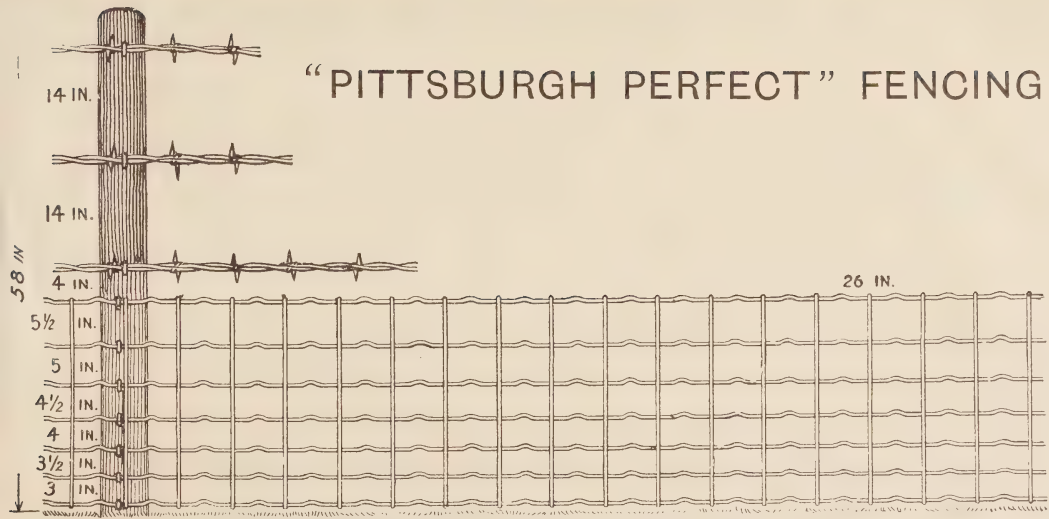


No. 356. Stays 6 or 12 inches apart ; 35 inches high ; 6 bars.

This fence is sometimes set up 10 or 12 inches from the ground, and makes a first-class cattle fence.

Get prices—the low cost will surprise you.

"PITTSBURGH PERFECT" FENCING



No. 267. Stays 6 or 12 inches apart ; 26 inches high ; 7 bars.

Use up your old barbed wire as shown above. "It is the **perfect hog fence. No loose wires.**"

“PITTSBURGH PERFECT” FENCES

FOR FIELD, FARM AND RANCH

Twelve Inch or Six Inch Stays..

For **large enclosures** our experience leads us to guarantee that our twelve inch stay fences will give entire satisfaction, and you can, without any hesitancy, use the twelve inch stay fencing for division, highway, farm or ranch fences.

We advise you that in fencing a barn yard, making a hog pen or any **small enclosures** to use the six inch stay fencing to get the best results,

We use a **special quality** of steel in the “Pittsburgh Perfect” Fence, which is entirely different from that used in any other fence on the market, and we guarantee it to be much superior as a fencing material to the steel used by other manufacturers.

It is an absolute fact that on account of the material we use and the way we galvanize it, that long after the majority of fencing offered to-day has rusted and worn out, the “Pittsburgh Perfect” will be found **intact and strong as when first put up.**

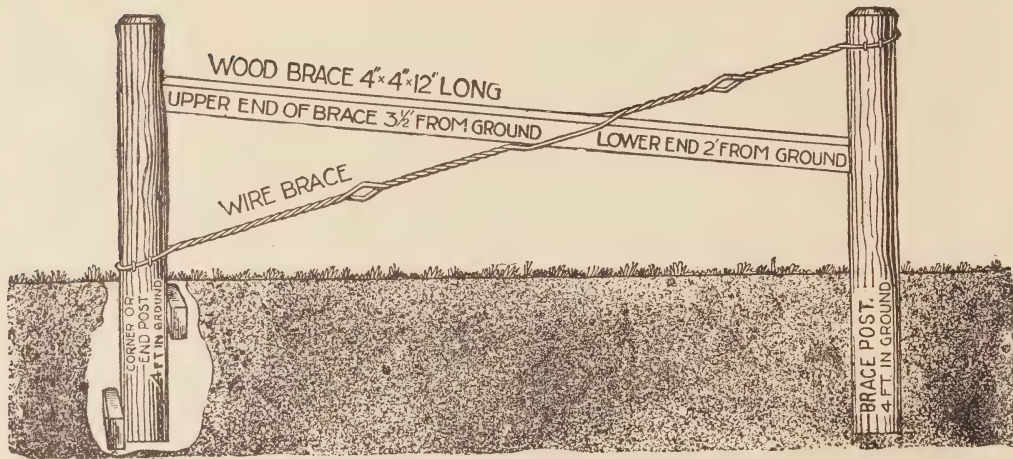
All Strand Wires same length. Stretches up perfectly.

"PITTSBURGH PERFECT" FENCES

THE BEST, BECAUSE

1. Stays **Electrically Welded** to strands, forming a perfect union and an amalgamation with the strands not found in any other fence.
2. No wraps to get loose, or hold moisture and cause rust.
3. No projections to injure stock or tear wool from sheep.
4. Stronger at the joints than any other fence, welded together by electricity.
5. Guaranteed that the wire is not injured at the joints.
6. Guaranteed adjustable to uneven ground.
7. Guaranteed that stays will not separate from strands.
8. Guaranteed all right in every particular.
9. Made by the most modern process and on the latest improved machinery.
10. Most of the weak points in other fences are on account of the way the stays are fastened. **Our stays are amalgamated with the strands by means of electricity, and the strength of the fence increased a hundredfold over the strength of a fence where the stays are wrapped or clamped on the strands.**

"PITTSBURGH PERFECT" FENCES



Set, Anchor and Brace End and Corner Posts as above indicated.

"PITTSBURGH PERFECT" FENCES

Starting to Build.

Permanent brace panels with posts set as on page 12, should be put in about every sixty rods where the fence runs in a straight line.

After your posts are set, unroll the fence with the narrow spacings toward the posts. Now staple to end post and be careful that your stays are straight up and down, and that the fence is at least three-quarters way around the post. Fasten the stretcher to the other end of the roll and get it on straight and be sure that your stretcher clamps are screwed as tight as possible. This will prevent the fence from slipping through the stretchers when the tension is put on, and save lots of trouble. Now take up about two or three links with the stretcher and go along the fence line and put a staple on a few line posts to hold the fence in place while stretching.

When stretching, it is well to see that the fence does not bind on the posts. If it does, it can easily be remedied by catching the wire and pulling it like a bow string to keep it from cutting into the posts. In stretching over hilly places, lift the fence where you want it, drive staple over wire next to top wire so that fence will pull through. You can do the same thing where there are hollows, simply pull the fence where you want it by standing on bottom wire, and put staple over next to bottom wire. When fence is tight, staple well to the brace and line posts, then, before removing the "**Pittsburgh Perfect**" Stretcher, tighten the wires between the stretcher clamp and end post.

BUILDING THE “PITTSBURGH PERFECT” FENCE

As a rule everyone appreciates the necessity of building a house or a barn well ; no one would think of throwing a lot of stones in a heap and calling it a foundation, and then on top of this building their house out of the finest material that money can buy. What we want to impress on you is the fact that **we furnish you with the very best fencing material that money can buy**, and consequently want you to do it justice by building it **right** ; then you will have **a fence** that will last a life time, will be “a thing of beauty” and consequently “a joy forever.” It is just as easy and a great deal more satisfactory to **build right in the first place** than it is to **not build right**.

End and Corner Posts

Particular attention **must** be given to **Setting and Bracing** the **End** and **Corner** posts. If we had the space to spare in this little book we would tell you this over and over again. The life, the very existence of any fence depends largely on the End and Corner posts. On them is **all the strain**, so get **good posts** for your **Ends** and **Corners**, and set them not less than three and one half to four and one half feet into the ground and anchor and brace as shown in cut on page 12.

BUILDING THE “PITTSBURGH PERFECT” FENCE—*Continued*

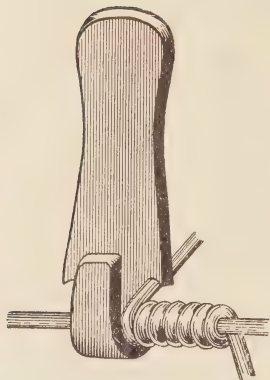
Intermediate or Line Posts should be the **cheapest good posts obtainable**. They really act as stays, but the real strain is on the End and Corner posts.

The Intermediate or Line posts should be set about a rod ($16\frac{1}{2}$ feet) apart for ordinary purposes. Some farmers set them twenty, twenty-five and up to thirty-five or forty feet apart and get good results ; but for **best results** we suggest that these posts be a rod apart.

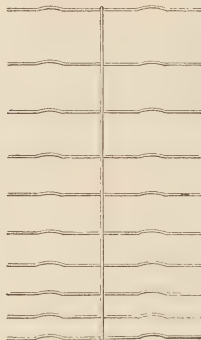
Bracing.

In erecting **The Pittsburg Perfect Fence** so that the strain caused by the curves which take care of the expansion and contraction will not in time pull the End posts out of the ground, it is necessary that you brace the End posts well. This is done by setting a post about three and one-half to four and one-half feet in the ground and about ten or twelve feet distant from the **End or Corner post**; then brace with a piece of 4x4 timber as shown on page 12. Mortice the brace into posts and spike well. Next take a piece of No. 7 or No. 8 Galvanized Wire, bring it around both the End post and Brace Post, and tie or splice the ends together. Now take a good stout stick about three feet long and twist this bracing wire as shown in cut until there is a good strain on both End and Brace post as well as on the wooden brace. Now staple the brace wire to posts as shown in cut. This prevents the wire from slipping and the Corner or End post from turning while you are stretching your fence.

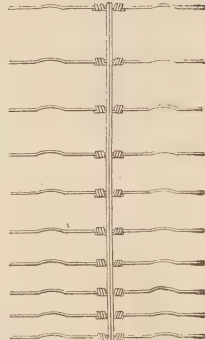
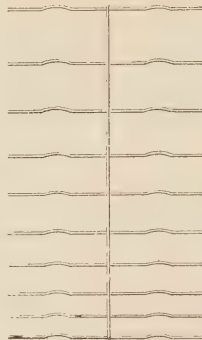
"PITTSBURGH PERFECT" FENCES



Splicer.



Ready to Splice.

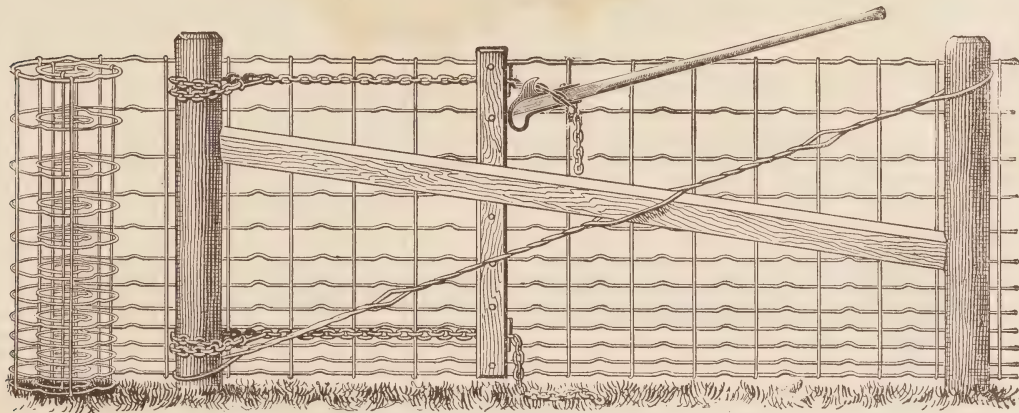


Spliced.

Make your splices with the "PITTSBURGH PERFECT" SPLICER here illustrated. Trim the fence as indicated above. **Bring the stay wires of the two pieces of fence together** to insure uniform splicing, and splice as indicated.

Hog Tight. Stays cannot slip.

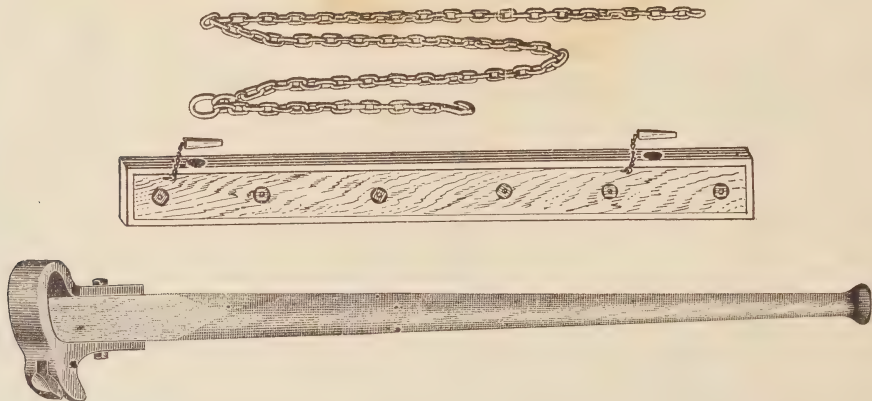
"PITTSBURGH PERFECT" WOOD CLAMP STRETCHER



Showing Stretcher in use.

This Stretcher PUSHES the Fence toward the End Post.

“PITTSBURGH PERFECT” WOOD CLAMP STRETCHER



We illustrate hereon in detail, parts of the “Pittsburgh Perfect” Wood Clamp Stretcher, which is the only good stretcher on the market for stretching made up wire fencing. With this stretcher you can distribute the “pull” evenly all over the fence by simply moving the lever as per instructions.

Directions for Using

“PITTSBURGH PERFECT” WOOD CLAMP STRETCHER

This Stretcher pushes fencing toward end post. First fasten clamp to fencing, using a little judgment as to how far away from the post you should fasten the clamp in order that when the fence is stretched the wooden clamp will be very near the end post. Now fasten chains to end post as shown on page 17. Pass other ends of chains through holes at top and bottom of clamp and fasten with stretcher pin. Now remove top pin and engage chain in slot of lever and press lever down, thus forcing the wooden clamp toward the end post. While the lever is down put pin in link of chain and remove lever to the lower chain repeat until tension is right and fence is straight.

See cuts on pages 17 and 18.

TO THE MAN WHO USES FENCING

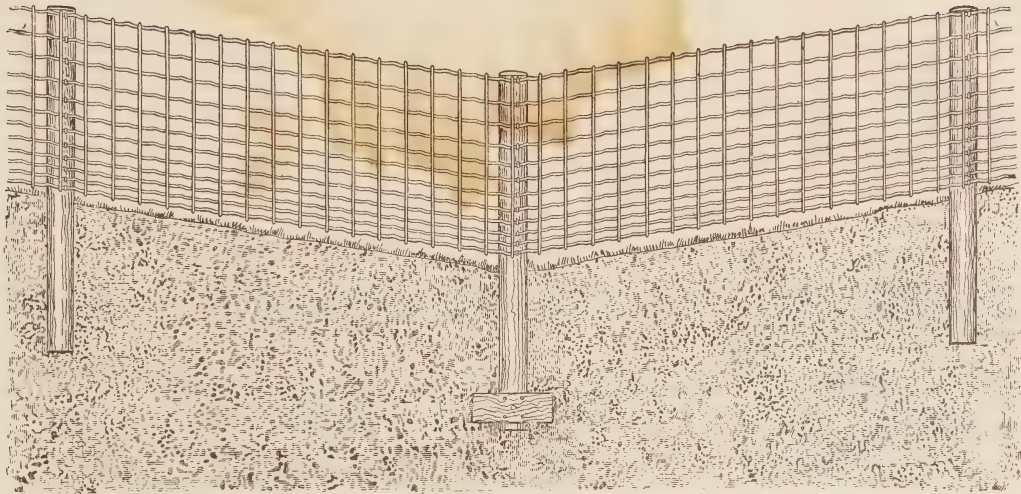
In order to make it convenient for the users of fencing to obtain the “Pittsburgh Perfect” Fence, we aim to have a first-class dealer in every town handle it and carry it in stock. Ask your dealer for it, and if he does not keep it write us direct and your wants will receive prompt and careful attention.

A Hint.

Every diamond mesh fence on the market has more or less fine wire in its construction and **nearly every one** two strand twisted cable wires for strand wires. Fine wire soon rusts through, diamond meshes will not conform to uneven ground and twisted cable wires hold moisture which causes rust. Also, cables cannot have any provision for expansion and contraction, as one wire binds the other.

Moral—Stick to fencing which has none of the above defects.

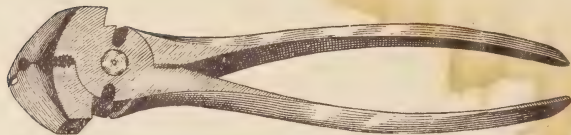
"PITTSBURGH PERFECT" FENCES



Anchor Posts in Hollows as shown above.

"PITTSBURGH PERFECT" SPECIALTIES .

"Pittsburg Perfect" Fence Tool.

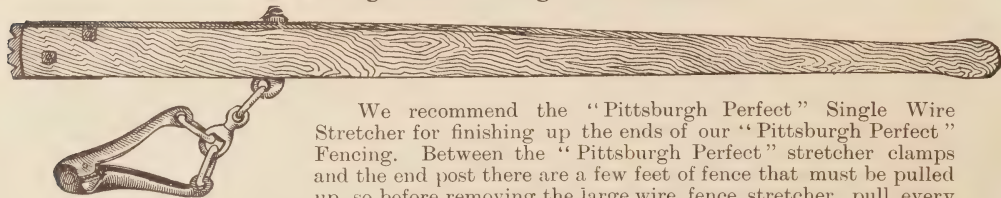


The "Pittsburgh Perfect" Fence Tool here illustrated is without doubt the most useful fence tool on the market.

It combines hammer, wire cutter, staple and nail puller and splicing tongs.

Sold only in half dozen and one dozen lots.

"Pittsburg Perfect" Single Wire Stretcher.



We recommend the "Pittsburgh Perfect" Single Wire Stretcher for finishing up the ends of our "Pittsburgh Perfect" Fencing. Between the "Pittsburgh Perfect" stretcher clamps and the end post there are a few feet of fence that must be pulled up, so before removing the large wire fence stretcher, pull every strand tight and stable to end post. Then remove the large stretcher. The "Pittsburgh Perfect" Single Wire Stretcher is also the best Barb Wire Stretcher ever offered. Try it.

“PITTSBURGH PERFECT” STEEL FENCES

VERY IMPORTANT.

“Pittsburgh Perfect” Fence is put up regularly in 40 rod rolls, and we can also furnish 20 rod rolls or 10 rod rolls when required, but do not carry a regular stock excepting of 20 and 40 rod rolls.

In ordering, first state the size rolls you want, then the number of rods, then the style number of fence, as shown on page 24, and always say whether you want stays 6 inches or 12 inches apart.

PRICE LIST TO AGENTS

Taking effect April 1st, 1904

"Pittsburgh Perfect" Fencing and Tools

Style Numbers.	Height in inches.	Distance between stays, inches.	Weight per rod.	Price per rod.
5511	55	12	13.3	\$1 18
5210	52	12	12.3	1 09
499	49	12	11.3	1 00
458	45	12	10.2	91
356	35	12	7.9	71
267	26	12	8.1	73
5511	55	6	17.0	1 51
5210	52	6	15.8	1 41
499	49	6	14.6	1 30
458	45	6	13.3	1 18
356	35	6	10.3	92
267	26	6	9.9	89

Discount F. O. B.

NOTE—In the style numbers the first two figures show the height of the fence in inches, the figure or figures after the first two figures show the number of bars in the fence, thus number 5511 means the fence is 55 inches high and has 11 bars or lateral wires. See cut on page 4.

Put up in 20 and 40 rod rolls.

Splicers, per dozen, net (no discount)	\$1 50
"Pittsburgh Perfect" Fence Tools, per dozen net (no discount)	\$13 50
"Pittsburgh Perfect" Fence Tools, per $\frac{1}{2}$ dozen net (no discount)	\$6 75

We do not sell less than $\frac{1}{2}$ dozen lots of "Pittsburgh Perfect" Fence Tools, but sell splicers and **single wire** stretchers in any quantities desired.

"Pittsburgh Perfect" Single Wire Stretcher, no discount, per dozen	\$10 00
"Pittsburgh Perfect" Wood Clamp Stretcher, no discount, each	\$4 00

"PITTSBURGH PERFECT" FENCING

The only "Electrically Welded" Wire Fence, made from the following sizes of galvanized wire:

Top Wire No. 7. Bottom Wire No. 9.

Intermediate or Strand Wires, No. 10.

Upright or Stay Wires No. 10.

This is the heaviest wire fence made.

MANUFACTURED ONLY BY THE

"PITTSBURGH PERFECT" FENCE COMPANY, LIMITED

HAMILTON, ONTARIO

THE WELD THAT HELD

